

STEREOLITHOGRAPHIC SHAPING METHOD AND APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A stereolithographic shaping method used for  
manufacturing a shaped article on a shaping table, and a  
stereolithographic shaping apparatus for implementing  
this stereolithographic shaping method are disclosed.  
The stereolithographic shaping method includes the steps  
of coating a liquid optically-curable resin onto the  
surface of a shaped article under manufacture,  
15 irradiating light onto the optically-curable resin to  
cure a required portion to form an optically-shaped resin  
layer, and repeating this process to sequentially  
laminate optically-shaped resin layers. After the  
shaping table is supported so as to be able to control a  
20 posture position of the shaping table in an optional  
three-dimensional direction, the optically-curable resin  
is blown onto a shaped article on the shaping table,  
thereby to coat the surface of the shaped article with  
the optically-curable resin in a predetermined film  
25 thickness. Then, the optically-shaped resin layers are  
formed by controlling the posture position of the shaping  
table and by irradiating the light onto the optically-  
curable resin that has been coated on the surface of the  
shaped article.